

APPENDIX B

DATA ON AVAILABLE WASTEWATER CAPACITY

This appendix has two sections:

B-1: Discusses available treatment capacity at Centralized Waste Treatment facilities. The information was collected in the 1991 Waste Treatment Industry Questionnaire by the Office of Water and represents 1989 data.

B-2: Wastewater treatment systems data from the 1991 Biennial Reporting System



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

Memorandum

OFFICE OF
WATER

To: Benjie Carroll (OS-321W)

From: Debra DiCianna *Debra DiCianna*
Engineering and Analysis Division (WH-552)

Date: April 30, 1993

Subject: Treatment Capacity Information from Waste Treatment Industry Project

Attached is the information you requested regarding available treatment capacity at Centralized Waste Treatment facilities. This information was collected in the 1991 Waste Treatment Industry Questionnaire by the Office of Water and represents 1989 data. Names and addresses of facilities are also listed.

All of the facilities included have received a final or interim RCRA Permit. None of the information provided pertains to waste which is underground injected. Some facilities did not supply the capacity information requested due to complex operations. Therefore, two totals are presented. One total represents the actual values reported. The second total is scaled-up to included facilities which did not submit data. Below are listed the overall totals:

| | |
|--|--------------------------|
| 1989 Reported Capacity Total: | 9,669,611,960 gals/year |
| 1989 Scaled-Up Capacity Total: | 11,341,084,753 gals/year |
| (= Reported Capacity Total + 11 x Average Capacity) | |

If you wish to obtain any additional information or have any questions, please contact me at (202) 260-7141.

cc: Tudor Davies (WH-551)
Ramona Trovato (WH-550G)
Woody Forsht (WH-552)
Bruce Kobelski (WH-550G)

FACILITY CAPACITY FOR HAZARDOUS WASTE (4/1/93)

| NAME | STREET | CITY | STATE | ZIP | MAX CAPACITY (GAL) | % USED (1988) | AMT. AVAILABLE (GAL) |
|---|--------------------------|---------------|-------|-------|--------------------|---------------|----------------------|
| ALTERNATE ENERGY RESOURCES INC | 2936 WALDEN DR | AUGUSTA | GA | 30604 | 1,657,200,000 | 20.02 | 1,403,387,500 |
| AMERICAN CHEMICAL & REFINING CO. | 36 B HEFFIELD ST. | WATERBURY | CT | 06704 | 2,575,000 | 79 | 488,750 |
| AMERICAN WASTE OIL CORP | 44141 YOST RD | BELLEVILLE | IL | 61811 | 8,240,000 | 60 | 1,248,000 |
| APPROPRIATE TECHNOLOGIES INC | 1700 MAXWELL RD | CHILAVISTA | CA | 92011 | 6,942,500 | 18 | 7,532,000 |
| BEAVER OIL CO INC | 5007 LEWIS AVE | HOOGHINS | IL | 60825 | 14,000,000 | 20 | 11,200,000 |
| BEI PAR ENVIRONMENTAL OF VIRGINIA INC. | 7500 HARVEST ROAD | PRINCE GEORGE | VA | 22073 | 500,000 | 70 | 117,000 |
| BOENCO--AUBURN | 700 15TH ST SW, MS 89-10 | AUBURN | WA | 98001 | 371,805,000 | 42.43 | 214,122,800 |
| BRUNSWICK CORP | 6300 NOLAN AVE | INDIAN | NE | 68604 | 243,582 | 3 | 235,872 |
| BRUSH WELLMAN INC | SOUTH FORGE RIVER RD | ELMORE | OH | 43416 | * | | |
| CECOS INTERNATIONAL | P.O. BOX 848 LP.O. | NAGARA FALLS | NY | 14304 | * | | |
| CECOS INTERNATIONAL INC | 4879 SPRING GROVE AVE | CINCINNATI | OH | 45232 | 25,400,000 | 12 | 20,532,000 |
| CECOS TREATMENT CORP. | 51 BRODERICK RD | BRISTOL | CT | 06010 | 62,500,000 | 6.02 | 58,757,000 |
| CHEMOLEARN INC | 1800 S STONY ISLAND AVE | CHICAGO | IL | 60617 | 50,000,000 | 47 | 19,000,000 |
| CHEM TECH SYSTEMS | 3600 EAST 28TH STREET | LOS ANGELES | CA | 90023 | * | | |
| CHEMICAL MANAGEMENT INC | 340 EASTERN PARKWAY | FARMINGDALE | NY | 11735 | 7,500,000 | 44 | 4,300,000 |
| CHEMICAL PROCESSORS INC | 734 S. LUCILE ST. | SEATTLE | WA | 98108 | 13,142,000 | 40.42 | 7,530,004 |
| CHEMICAL PROCESSORS INC | PER 91 | SEATTLE | WA | 98108 | * | | |
| CHEMICAL PROCESSORS INC | 1701 ALEXANDER AVE. | TACOMA | WA | 90421 | 17,001,200 | 40.56 | 10,102,113 |
| CHEMICAL WASTE MANAGEMENT OF NEW JERSEY | 100 LISTER AVE | NEWARK | NJ | 07103 | 52,500,000 | 23 | 40,471,200 |
| CHEMICAL WASTE MANAGEMENT OF NEW YORK | 1135 BRUMER RD. | MODEL CITY | NY | 14107 | 21,024,000 | 73 | 5,678,400 |
| CLARK PROCESSING INC. | 500 S. WEST END AVE. | DAYTON | OH | 45427 | 8,500,000 | 66 | 910,000 |
| CLEAN HARBORS | 2000 BROADWAY | CLEVELAND | OH | 44115 | 69,000,000 | 65 | 22,000,000 |
| CLEAN HARBORS INC. | 1610 RUSSELL ST. | BALTIMORE | MD | 21230 | 44,100,000 | 12 | 36,000,000 |
| CONCO INC PONTIAC CITY | 1000 S. PINE | PONTIAC CITY | TX | 74008 | 720,000,000 | 92 | 57,000,000 |
| CP CHEMICALS | 34400 ZWISSIG WAY | UNION CITY | CA | 94607 | 5,000,000 | 74 | 1,510,000 |
| CP CHEMICALS INC | AFBOR ST | SEAWAY | NJ | 07077 | 54,000,000 | 90 | 5,400,000 |
| CP CHEMICALS INC | HWY 16 SOUTH MOLITOR PK | BLUMER | SC | 29150 | 45,601,800 | 61 | 17,784,749 |
| CROSSBY & OVERTON INC | 1610 W 17TH ST | LONG BEACH | CA | 90813 | 2,340,000 | 100 | 0 |
| CROSSBY AND OVERTON INC PLANT 2 | 30245 76TH AVE S. | KENT | WA | 98032 | 20,752,000 | 0.5121 | 20,845,728 |
| CYANOGEN | 12381 80 WEFER HWY | DETROIT | MI | 48227 | 30,865,000 | 34 | 20,570,900 |
| DUPONT EIDE MEMOIRS, CHAMBER WORKS | ROUTE 130 | DEER WATER | NJ | 08023 | 14,600,000,000 | 78 | 9,212,000,000 |
| DYNOL INC | 5520 GEORGIA | DETROIT | MI | 48211 | 36,320,000 | 49.64 | 18,280,782 |
| EDWARDS OIL CO | 500 S POLICE | DETROIT | MI | 48217 | 21,800,000 | 60 | 4,320,000 |
| ELJULLY & CO TIPPEONCE LABS | 1600 LILY RD. | LA FAYETTE | IN | 47902 | * | | |
| EMPAK INC. DEER PARK | 2759 BATTLEGROUND RD. | DEER PARK | TX | 77538 | 316,411,200 | 35.01 | 205,005,008 |

| NAME | STREET | CITY | STATE | ZIP | MAX CAPACITY (GAL) | % USED (1988) | AMT. AVAILABLE (GAL) |
|---|---------------------------|------------------|-------|-------|-----------------------|---------------|-------------------------|
| ENCICLE/TEXAS INC. | 3500 LP RIVER ROAD | COFFUS CHERSH | TX | 78407 | 120,500,000 | 20.55 | 84,882,250 |
| EMWITE CORP | 16435 S CENTRAL AVE | WANEY | IL | 60428 | 10,020,200 | 88.69 | 3,516,348 |
| EMWITE CORP | 2000 CENTRAL AVE S E | CANTON | OH | 44707 | 63,982,500 | 43.88 | 35,008,548 |
| EMWITE CORPORATION | 198 OLD WATERBURY RD | THOMASTON | CT | 06067 | 53,500,000 | 29.81 | 37,551,850 |
| EMWITE CORPORATION | 1800 PENNSYLVANIA AVE | NOFK | PA | 17404 | 30,000,000 | 79 | 6,500,000 |
| ENVIRONMENTAL WASTE CONTROL INC | 27140 PRINCETON AV | INGSTER | MI | 48141 | 60,000,000 | 37 | 42,000,000 |
| ETICAM | 3085 E NEWLANDS DR | FERNLEY | NV | 89408 | 750,400 | 13.81 | 643,770 |
| ETICAM | 26 GRAYSTONE STREET | WARMICK | RI | 02886 | 6,000,000 | 42 | 3,400,000 |
| FAH & P SERVICE | 220 CHINA BSN ST | SAN FRANCISCO | CA | 94107 | 7,500,000 | 72 | 2,100,000 |
| HERITAGE ENVIRONMENTAL SERVICES INC | 8132 POMPANO ST | CHARLOTTE | NC | 28218 | 7,500,000 | | |
| INDOALLOY INTERNATIONAL INC. | 3200 RIVERSIDE DRIVE | LIMINGTON | NV | 89720 | | | |
| INTERCONTINENTAL TERMINALS CO | 1948 BATTLEGROUND RD. | DEER PARK | TX | 77638 | 100,000,000 | 17 | 63,000,000 |
| ION-DEERE-COMPONENT WORKS | 400 WESTFIELD AVE | WATERLOO | IA | 50601 | 43,212,440 | 63 | 15,888,803 |
| MAVING CO | 1118TH AVE, E 8TH ST, N | NEWTON | IA | 52008 | 380,000,000 | 73 | 105,300,000 |
| METRO RECOVERY SYSTEMS | 2430 ROSE PLACE | ROSEVILLE | IN | 46119 | 15,130,000 | 50 | 7,568,000 |
| MILL SERVICE INC. | BLUGER SMITH TWP. | BLUGER | PA | 15018 | 74,200,258 | 56.7 | 32,128,712 |
| MILL SERVICE INC. YUKON PLT. | RD. NO. 1 CEMETARY LANE | MUNON | PA | 15886 | 164,000,000 | 44 | 91,840,000 |
| NORTH INDUSTRIES INC | 3215 BOBOLE AVE | LOS ANGELES | CA | 91008 | 477,791,120 | 45.08 | 262,355,184 |
| NORTHWEST EMERSON SERVICE INC. | 1500 AIRPORT WAY B. | SEATTLE | WA | 98134 | 35,640,000 | 62.24 | 13,457,884 |
| OL PROCEEDS CO | 5758 ALBA ST. | LOS ANGELES | CA | 90008 | 1,894,333 | 80.83 | 383,144 |
| OBEO INCORPORATED | 408 SANTA FE PKE BOX 1203 | COLUMBIA | IN | 46402 | | | |
| PEARL HER NAVY PUBLIC WORKS CTR | NAVAL STATION AREA | PEARL HARBOR | HI | 96800 | | | |
| PEONADISPOL CO - POTTSTOWN | 6348 SOUTHPORT RD. | PEORIA | IL | 61604 | 50,000,000 | 41.75 | 25,923,000 |
| PETROLEUM RECLAIMING SERVICE INC. | 3003 TAYLOR WAY | TACOMA | WA | 98421 | 15,750,000 | 11 | 14,017,500 |
| PRATT & WHITNEY AIRCRAFT GROUP MD & CPO | 400 MAIN ST | EAST HARTFORD | CT | 06108 | 1,700,088,873 | 25.45 | 1,312,578,480 |
| REMEDIAL ENVIRONMENTAL GROUP | 1800 CARMAN ST. | CAMDEN | NJ | 08105 | | | |
| ROMIC CHEM CORP | 2081 BAY RD | EMERALDO ALTO | CA | 94303 | 4,983,377 | 59 | 2,043,188 |
| SLOSS INDUSTRIES CORPORATION | 5800 35TH AVEN. | BIRMINGHAM | AL | 35207 | 540,000,000 | 33 | 367,160,000 |
| SOLVENT SERVICE CO INC | 1021 BERTRESSA RD | SAN JOSE | CA | 95133 | | | |
| SOUTHERN CALIFORNIA CHEMICAL CO INC | 3651 DICE RD. | SANTA FE SPRINGS | CA | 90670 | 21,550,000 | 58.77 | 8,288,105 |
| TEKTRONX INC. | 1300 SW KARL BRAUN DR. | BEAVERTON | OR | 97007 | 407,788,113 | 13.27 | 353,874,831 |
| THE EASTMAN DIV EASTMAN KODAK | EASTMAN RD | KINGSFORD | IN | 47682 | 8,710,227 | 68 | 1,945,227 |
| THE TREATMENT ONE, DIV OF SET ENVIRONMENTAL INC | 16738 CHESWOOD | COLISTON | TX | 77087 | 2,000,000 | 2 | 1,980,000 |
| TRICOL ENVIRONMENTAL SERVICES INC | 1640 ANTIOCH PKE | NASHVILLE | IN | 47013 | 88,712,000 | 8 | 81,837,820 |
| UNION CARBIDE AGRIPROD CO INC | RTE 25 | INSTITUTE | IN | 47512 | 2,102,000,000 | 57 | 903,880,000 |

* Facility did not supply capacity information. Scaled-up total incorporates estimation.

FACILITY CAPACITY FOR HAZARDOUS WASTE (4/19/83)

| NAME | STREET | CITY | STATE | TP | MAX. CAPACITY (GAL) | % USED (1983) | AMT. AVAILABLE (GAL) |
|--------------------------------------|--------------------------------|--------------|-------|-------|------------------------|---------------|-------------------------|
| UNITED OIL RECOVERY INC. | 130 GRACEY AVE. | MERIDEN | CT | 06430 | 13,140,000 | 50 | 6,570,000 |
| US POLLUTION CONTROL INC. | 5 M. E. US 201 & 1 M. N. OK 15 | WYANDOTA | OK | 73000 | 6,000,000 | 50 | 3,000,000 |
| ENVIRONMENTAL WASTE RESOURCES, INC. | 130 FREIGHT ST | WATERBURY | CT | 06702 | 38,535,800 | 78 | 8,477,800 |
| HERITAGE ENVIRONMENTAL SERVICES INC. | 7001 W. MOFFRS | INDIANAPOLIS | IN | 46224 | 288,250,000 | 30.02 | 208,443,142 |
| RESEARCH OIL CO. | 3865 TRANSPORT RD | CLEVELAND | OH | 44116 | 88,300,000 | 49 | 44,013,000 |
| WASTE CONVERSION INC. | 2080 SANDSTONE DR | WATFIELD | PA | 15440 | 55,865,597 | 80 | 7,187,117 |
| | | | | | TOTAL | | 9,839,811,000 |
| | | | | | AVERAGE VALUE: | | |
| | | | | | 337,085,354 | 48 | 149,224,799 |
| | | | | | SCALE-UP TOTALS | | 11,241,084,793 |
| | | | | | | | (85 to 78) |

Appendix B-2

WASTEWATER TREATMENT SYSTEMS DATA FROM THE 1991 BIENNIAL REPORTING SYSTEM

| EPA ID NUMBER | A INF QUANTITY GAL FROM BRS DATA | B MAX OPP CAP GAL FROM BRS DATA | C MAX OPP CAP GAL FROM QJ SURVEY | D LIQ EFF QUAN GAL FROM BRS DATA | E NEW OPP CAPACITY FROM BRS DATA | F DIFFERENCE IN OPP CAP C-B | G AMOUNT AVAILABLE B-A |
|---------------|---|--|---|---|---|--------------------------------------|---------------------------------|
| CAD050806850 | 1,106,843 | 13,250,000 | 1,894,333 | 1,082,109 | 0 | -11,355,667 | 12,143,158 |
| CAD059494310 | 2,281,976 | 27,000,000 | 0 | 2,280,000 | 0 | -27,000,000 | 24,718,024 |
| CAT080033681 | 4,762,512 | 1,207,824,000 | 0 | 4,078,584 | 0 | -1,207,824,000 | 1,203,061,488 |
| CTD0000844399 | 360,788,560 | 2,283,660,000 | 1,760,668,673 | 414,810,000 | 0 | -522,991,327 | 1,922,891,440 |
| CTD001184894 | 574,131 | 1,370,500 | 2,375,000 | 571,370 | 0 | 1,004,500 | 796,369 |
| CTD072138969 | 11,185,574 | 28,632,648 | 38,535,860 | 9,307,911 | 0 | 9,903,212 | 17,447,074 |
| CTD990672081 | 60,067,991 | 777,777,310 | 1,760,668,673 | 60,882,904 | 0 | 982,891,363 | 717,709,319 |
| ILD000666206 | 16,231,493 | 30,398,036 | 106,202,000 | 8,381,001 | 0 | 75,803,964 | 14,166,543 |
| ILD064418353 | 1,793,987 | 6,240,000 | 14,000,000 | 1,704,941 | 0 | 7,760,000 | 4,446,013 |
| IND006050967 | 2,772,124,412 | 50,677,025 | 0 | 2,979,115,244 | 0 | -50,677,025 | -2,721,447,387 |
| IND093219012 | 53,475,694 | 150,804,016 | 299,290,000 | 45,735,915 | 0 | 148,485,984 | 97,328,322 |
| IND980555189 | 1,662,231 | 50,360,000 | 44,100,000 | 3,925,928 | 0 | -6,260,000 | 48,697,769 |
| IND981098478 | 4,597,350 | 8,417,487 | 15,130,000 | 2,783,240 | 0 | 6,712,513 | 3,820,137 |
| MCD121700777 | 1,901,489 | 7,008,000 | 75,000,000 | 1,711,340 | 0 | 67,992,000 | 5,106,511 |
| MED043534635 | 6,678,629 | 53,191,794 | 243,992 | 6,669,144 | 0 | -52,947,802 | 46,513,165 |
| NJD002141950 | 655,428 | 4,000,000 | 54,000,000 | 198,676 | 0 | 50,000,000 | 3,344,572 |
| NJD002385730 | 10,347,456,240 | 14,064,054,720 | 14,600,000,000 | 10,522,748,640 | 0 | 535,945,280 | 3,716,598,480 |
| NJD089216790 | 48,923,122 | 163,112,860 | 52,560,000 | 49,675,058 | 0 | -110,552,860 | 114,189,738 |
| NVD980895338 | 641,903 | 5,057,200 | 750,400 | 428,907 | 0 | -4,306,800 | 4,415,297 |
| NYD000691949 | 11,222,398 | 0 | 7,800,000 | 11,196,084 | 0 | 7,800,000 | -11,222,398 |
| NYD080336241 | 25,079,632 | 240,920,000 | 63,000,000 | 24,503,779 | 240,000 | -240,920,000 | 215,840,368 |
| OH0000724153 | 29,714,577 | 75,000,000 | 86,300,000 | 37,446,700 | 0 | -12,000,000 | 45,285,423 |
| OH0004178612 | 16,642,080 | 98,160,000 | 23,400,000 | 13,286,400 | 94,500,000 | -11,860,000 | 81,517,920 |
| OH0087433744 | 0 | 0 | 23,400,000 | 0 | 1,200,000 | 23,400,000 | 0 |
| OKD007233836 | 570,943,381 | 354,285,248 | 720,000,000 | 557,166,418 | 0 | 365,714,752 | -216,658,133 |
| ORD009020231 | 185,493,828 | 728,763,458 | 407,788,113 | 577,768,882 | 28,902,728 | -320,975,345 | 543,269,630 |
| ORD980725592 | 39,115,200 | 76,867,000 | 407,788,113 | 38,985,200 | 0 | 330,921,113 | 37,751,800 |
| PAD010154045 | 17,186,856 | 27,000,000 | 30,000,000 | 12,783,720 | 66,000,000 | 3,000,000 | 9,813,144 |
| PAD059087072 | 26,770,000 | 981,120,000 | 74,200,258 | 53,472,500 | 220,544,853 | -906,919,742 | 954,350,000 |
| PAD085690592 | 1,483,895 | 434,280 | 35,985,587 | 127,569,600 | 0 | 35,551,307 | -1,049,615 |
| RID980906986 | 1,416,960 | 3,961,224 | 6,000,000 | 1,733,520 | 0 | 2,038,776 | 2,544,264 |
| TMD003376928 | 7,835,470,800 | 8,400,000,000 | 8,710,227 | 7,835,470,800 | 0 | -8,391,289,773 | 564,529,200 |
| WAD041337130 | 282,837,630 | 366,313,416 | 37,193,500 | 282,401,819 | 0 | -329,119,916 | 83,475,786 |
| WVD004325353 | 1,743,953,866 | 2,188,298,888 | 2,102,000,000 | 2,537,140,000 | 0 | -86,298,888 | 444,345,022 |
| WVD076826015 | 223,468,565 | 93,013,402 | 0 | 217,813,732 | 0 | -93,013,402 | -130,455,164 |
| TOTAL | 24,707,689,233 | 32,566,972,513 | 22,835,584,729 | 26,444,830,066 | 411,387,581 | -9,731,387,784 | 7,859,283,279 |